GENERATOR COMMUNICATIONS INTERFACE STANDARD 5.0.0

BACKGROUND:

Every DRMO has access to a Hewlett Packard (HP) super mini computer. The primary use of this computer is for the accountable record inventory management and control. The suite of software is called DAISY (DRMS Automated Information System). The DRMO is required to use BOSS (DLA Base Operations Support System), to contract for the ultimate disposal of hazardous waste. BOSS is an Oracle Client/Server system that runs at DSCR Richmond. Currently, DRMO personnel must enter receipt data into DAISY for hazardous waste (HW); The Single Hazardous Input Program (SHIP) transfers the data to BOSS for HW Delivery Orders.

SHIP

The Single Hazardous Input Process (SHIP) is web enabled software, which interfaces with both DAISY and BOSS. SHIP facilitates the transfer to data from DAISY to BOSS and reduces the amount of keystrokes. SHIP contains many reports, used to ensure compliance issues. Data is transferred on an hourly basis.

GENERATOR COMMUNICATIONS – GENCOMM:

GenComm basically serves as an interpreter, allowing DRMS to read automated data submitted from the generator's system, which meets the standard set forth in this document. Data can be submitted in bar delimited format or in XML.

GenComm allows for the electronic transfer of the Waste Profile Sheet (WPS, DRMS 1930) and the Disposal Turn-In Document (DTID, DD-1348-1A) data. This data is transferred to the GenComm Server. The data is scanned for viruses, and then transferred to the appropriate DAISY HP. Within the hour, the data is available in SHIP, and a Due In Report can be generated. The following day, it is available in DAISY.

The DTID data is stored in DAISY and SHIP, pending receipt. When the DRMO receiver, enters the DTID number into DAISY, the receipt screen will be populated with the data received. Following receipt in DAISY, the DTID will be dropped from the Due In Report.

SHIP transfers data for all items in the Ultimate Disposal cycle to BOSS. This pre-fills most of the required data fields, based on a hierarchy.

WHY GENCOMM?

- Expedite the transfer of accountability from the Generator to the DRMO.
- Expedite the ultimate disposal of hazardous waste from the DoD supply chain.
- Reduce keystroke errors and lower data entry costs.
- Decrease paper handling.

- First step on the road to a paperless environment.

HOW DOES IT WORK?

- Generator uses his system to create either an ASCII or an XML file.
- Generator transfers his file to the GenComm server by using one of the following methods:
  - E-mail file to: GenComm@mail.drms.dla.mil
  - Upload the file to: Gencomm Upload Page (https://www.drms.dla.mil/gencomm/GencommUpload
  - Use secure shell/secure FTP
- Generator checks the GenComm Log file to check for problems or errors. The log file lists the WPS numbers and DTID numbers, which processed. Items rejected show the WPS/DTID number and a reason for the reject. Items rejected need to be resubmitted in new file, with a different name.

  Note: the individual records reject – not the entire file.
- To receive the GenComm Log file submit the following via e-mail:
  - DoDAAC
  - E-mail Address for system or individual(s) to receive the log.

  To: DRMS SHIP-HQ@mail.drms.dla.mil

FILE FORMAT FOR GENERATOR COMMUNICATIONS
(Version 5.0.0 11/06/1999)

Initially, the capability to electronically provide the DRMO with information about hazardous waste turn-in will be limited to the following data; Waste Profile Sheet (WPS) and Disposal Turn In Document (DTID).

The basic structure for communicating this data is to use sections and subsections in a text file. The record format for each text line is determined by a combination of its sequence in the outline and its first field.

STRUCTURE:

1.1 The required outline is as follows:

1. File Header
2. WPS Section, if any
3. DTID Section, if any

1.2 Each WPS section is outlined as follows:

1. WPS Section Header
2. WPS Subsection(s), if any
3. WPS Section Trailer

1.2.1 Each WPS Subsection is outlined as follows:

1. WPS Record
2. Chemical Composition Subsection, if any

3. EPA Waste Number Subsection, if any.

1.2.2 Each Chemical Composition Subsection is outlined as follows:

1. Chemical Composition Section Header
2. Chemical Composition Record(s)
3. Chemical Composition Section Trailer.

1.2.3 Each EPA Waste Number Subsection is outlined as follows:

1. EPA Waste Number Subsection Header
2. EPA Waste Number Record(s)
3. EPA Waste Number Subsection Trailer.

1.3 Each DTID section is outlined as follows:

1. DTID Section Header
2. DTID Subsection(s), if any
3. DTID Section Trailer.

1.3.1 Each DTID Subsection is outlined as follows:

1. DTID Record
2. DTID Container Subsection, if any
3. DTID EPA Waste Code Subsection, if any
4. DTID State Waste Code Subsection, if any

1.3.2 Each DTID Container Subsection is outlined as follows:

1. DTID Container Subsection Header
2. DTID Container Record(s)
3. DTID Container Subsection Trailer.

1.3.3 Each DTID Container Subsection is outlined as follows:

1. DTID EPA Waste Code Subsection Header
2. DTID EPA Waste Code Record(s)
3. DTID EPA Waste Code Subsection Trailer.

1.3.4 Each DTID State Waste Code Subsection is outlined as follows:

1. DTID State Waste Code Subsection Header
2. DTID State Waste Code Record(s)
3. DTID State Waste Code Subsection Trailer.

NOTES:

1. Fields are restricted to (a maximum of) the length indicated, unless noted as variable (V).
2. Fields will be delimited by the pipe symbol ("|") in the bar delimited files. However, there will not be a trailing pipe ("|").

3. Records will be delimited by the carriage return <CR>, technically stored as the carriage return line feed (LF) combination. This will be represented as End of Record Indicator in the record formats.
4. At the end of any record there are three options:
    i. 1. Continue with the next record.
    ii. 2. Terminate the section or subsection with its trailer and start a new section or subsection.
    iii. 3. Terminate the section or subsection with its trailer and quit (End of file).

RECORD FORMATS FOR GENERATOR COMMUNICATIONS
(Version 5.0.0, 11/24/1998)

THE FOLLOWING CODES ARE USED IN DEFINING RECORD FORMATS:

Mandatory (M) Alpha (A) Optional (O) Numeric
(N) Alpha/Numeric (A/N)

THE FOLLOWING IS THE FORMAT OF A FILE HEADER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	DoDAAC	A/N	6	6	The Generator DoDAAC i.e. FB2020
M	Date	N	7	7	Julian date the file was created i.e. 1994332
M	Time	N	4	4	In the format HHMM
M	Form Version	A/N	5	1	DRMS File Format version Number (will currently be 5.0.0)
M	DRMO RIC	A/N	4	3	DRMO RIC and Suffix
M	Form Version	A/N	V	1	Generator Software Release Version Number
M	End of Record Indicator				

The header record will be followed by one or two sections (Waste Profile Sheet Section - WPS or Disposal Turn In Document Section - DTID). Each section can contain one or more records. A section must have a section header and a section trailer. Permissible combinations are: File Header (FH) and WPS and DTID Sections (in that order), FH and WPS Section only, or FH and DTID section only.

THE FOLLOWING IS A FORMAT FOR THE WPS SECTION HEADER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	WPS Section Header	A/N	12	12	A constant of "beg_wps_sect"
M	End of Record				

	Indicator				

THE FOLLOWING IS THE FORMAT FOR A WPS RECORD:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Waste Profile Number	A/N	11	5	
M	Generator Name	A/N	30	2	
M	Facility Adds Line 1	A/N	30	3	
O	Facility Adds Line 2	A/N	30	0	
M	Facility Adds Line 3	A/N	30	2	City & State
M	Facility ZIP Cd Line 4	A/N	10	5	NNNNN-NNNN
O	Generator USEPA ID	A/N	13	0	
O	Generator State ID	A/N	13	0	
M	Technical Contact	A/N	30	2	
O	Technical Title	A	30	0	
M	Technical Phone	A/N	21	4	XXX(NNN)NNN-NNNNxNNNN
O	Profile Established Date	N	7	0	Julian YYYYDDD
O	Name of Waste	A/N	60	0	
O	Process Generating Waste	A	60	0	
O	Projected Annual Volumes	N	10.4	0	NNNNNNNNNN.NNNN
O	Projected Annual Units	A	10	0	
O	Mode of Collection	A	15	0	
O	Dioxin Waste	A	1	0	Y/N
O	Land Disposal Restrictions	A	1	0	Y/N
O	Exemption Granted	A	1	0	Y/N
O	Meets Treatment Standards	A	1	0	Y/N
O	Treatment Standard Reference	A	30	0	
O	Color	A	30	0	
O	Density	N	3.3	0	NNN.NNN
O	BTU/LB	N	10	0	NNNNNNNNNN
O	Total Solids	N	3.2	0	This will contain a percent.
O	Ash Content	N	3.2	0	This will contain a percent.
O	Layering	A	12	0	MULTILAYERED, BILAYERED, SINGLE PHASE

O	Physical State	A	10	0	SOLID, LIQUID, SEMISOLID, GAS, OTHER
O	Treatment Group	A	1	0	W,N (W= Wastewater, N=Nonwastewater)
O	Ignitable (D001)	A	1	0	Y/N
O	Flash Point (F)	A/N	9	0	
O	High Toc (> 10 %)	A	1	0	Y/N
O	Low Toc (< 10 %)	A	1	0	Y/N
O	Reactive (D003)	A	1	0	Y/N
O	Water Reactive	A	1	0	Y/N
O	Cyanide Reactive	A	1	0	Y/N
O	Sulfide Reactive	A	1	0	Y/N
O	Corrosive (D002)	A	1	0	Y/N
O	Ph	A/N	8	0	Example: >= 12.5
O	Toxicity Characteristic	A	1	0	Y/N
O	Corrodes Steel	A	1	0	Y/N
O	Copper Quantity	N	V	0	
O	Copper Units	A/N	3	0	
O	Phenolics Quantity	N	V	0	
O	Phenolics Units	A/N	3	0	
O	Nickel Quantity	N	V	0	
O	Nickel Units	A/N	3	0	
O	Total Halogens Quantity	N	V	0	
O	Halogens Units	A/N	3	0	
O	Zinc Quantity	N	V	0	
O	Zinc Units	A/N	3	0	
O	Volatile Organics Qty	N	V	0	
O	Volatile Organics Units	A/N	3	0	
O	Chromium Hex Quantity	N	V	0	
O	Chromium Units	A/N	3	0	
O	PCB Quantity	N	V	0	
O	PCB Units	A/N	3	0	
O	(Other) Description	A/N	30	0	
O	Other Quantity	N	V	0	
O	Other Units	A/N	3	0	
O	Dot Hazardous Material	A	1	0	Y/N
O	Proper Shipping Name	A/N	120	0	
O	Hazard Class	A/N	18	0	
O	UN or NA Number	A/N	6	0	
O	Additional	A/N	60	0	

	Description				
O	Method of Shipment	A/N	30	0	BULK, DRUM or OTHER (Describe)
O	CERCLA Reportable Qty (RQ)	N	5	0	
O	CERCLA Unit of Issue	A/N	5	0	
O	Packing Group	A	3	0	
O	Emerg Resp Guide Page No	N	4	0	
O	Edition (YR)	N	4	0	
O	Special Handling Info	A/N	90	0	
O	Basis For Information	A	4	0	USER for user knowledge LAB for chemical analysis
O	RCRA Requirements	A	255	0	
O	Addl RCRA Requirements	A	255	0	
O	Certifier Name	A	45	0	
M	End Of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR THE CHEMICAL COMPOSITION HEADER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Composition Subsection Header	A/N	13	13	A constant of "beg_comp_sect"
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR THE CHEMICAL COMPOSITION RECORD:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Chemical Name	A	60	2	
M	Chemical Concentration	A/N	10	1	
M	Chemical Range	A	30	2	
M	CAS Number	A/N	11	2	Chemical Abstract Service Number
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR THE CHEMICAL COMPOSITION TRAILER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Composition Subsection Trailer	A/N	13	13	A constant of “end_comp_sect”
M	End Of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR THE EPA WASTE NUMBER HEADER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	EPA Waste No Subsect Header	A/N	12	12	A constant of “beg_ewn_sect”
M	End Of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR THE EPA WASTE NUMBER RECORD:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	EPA HW Number	A/N	4	4	EPA HW Number i.e. D001
M	Range	N	20	2	Range of concentration
M	EPA Units	A/N	5	2	
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR THE EPA WASTE NUMBER TRAILER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	EPA Waste No Subsect Trailer	A/N	12	12	A constant of "end_ewn_sect"
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR THE WPS SECTION TRAILER:

		A, N or	Field	Min Field	

M/O	Field Name	A/N	Length	Length	Example, Format or Style
M	WPS Section Trailer	A/N	12	12	A constant of "end_wps_sect"
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID SECTION HEADER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	DTID Section Header	A/N	12	12	A constant of "beg_dtid_sect"
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID RECORD:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Federal Supply Class	N	4	4	
M	NIIN/Local Stock Number	A/N	9	5	
O	Additional Data	A/N	2	0	
M	Document Number	A/N	15	14	Disposal Turn In Document Number
M	Unit of Issue	A	2	2	
M	Quantity	N	5	1	
O	Disposal Authority Cd	A	1	0	M=Approved, N=Not Reqd., R=Auth. Received
M	Hazardous Waste/Mat Code	A	1	1	"W" for hazardous and non-regulated waste, “M” for hazardous material, and “N” for all other property turn-ins to DRMO
M	Unit Price	N	5.2	1	NNNNN.NN (Acquisition Unit Price)
M	Item Nomenclature	A/N	60	2	
M	Supply Condition Code	A	1	1	
M	Demil Code	A	1	1	
O	Accumulation Start Date	N	7	0	Julian Date i.e. 1994320
O	Waste Profile Sheet No	A/N	11	0	
O	MSDS Number	A/N	15	0	
O	Recpt Manifest Number	A/N	17	0	
O	Type of Container	A/N	60	0	
O	Total Wt/Vol	N	6	0	
O	Wt/Vol Code	A	1	0	P= Pounds, T= Short Tons (2000 LB),

					G= Gallons, Y= Cubic Yards, K= Kilograms, M= Tonnes (1000KG), L= Litres, C= Cubic Meters
O	Org Code	A/N	6	0	
O	Building	A/N	6	0	
O	Type Operation	A	60	0	i.e. Motor Pool, Spill Residue, Degreasing etc.
M	Contact Name	A	18	4	
M	Contact Phone	A/N	21	4	
O	Waste Description line 1	A/N	60	0	
O	Waste Description line 2	A/N	60	0	
O	Waste Description line 3	A/N	60	0	
O	Waste Description line 4	A/N	60	0	
O	Contract Number	A/N	13	0	
O	CLIN/HIN	A/N	6	0	
M	Total Disposal Cost	N	5.2	4	NNNNN.NN
M	Fund Code	A/N	2	2	
O	Bill to DoDAAC	A/N	6	0	
O	Pickup DoDAAC	A/N	6	0	
O	Number of Containers	N	4	0	Count of containers in DTID
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID CONTAINER HEADER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Container Subsection Header	A/N	13	13	A constant of "beg_cont_sect"
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID CONTAINER RECORD:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Document Number	A/N	15	14	Disposal Turn In Document Number
M	Container Number	A/N	15	4	Alias "Drum Number"
O	Storage Location Code	A/N	9	0	Location within the building
O	Container WT/VOL	N	6	0	

O	Accumulation Start Date	N	7	0	Julian Date i.e. 1994320
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID CONTAINER TRAILER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Container Subsection Trailer	A/N	13	13	A constant of "end_cont_sect"
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID EPA WASTE CODE HEADER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	EPA Waste Code Subsection Header	A/N	16	16	A constant of "beg_dtidepa_sect"
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID EPA WASTE CODE RECORD:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Document Number	A/N	15	14	Disposal Turn In Document Number
M	DTID EPA Waste Codes	A/N	4	4	EPA waste code for DTID
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID EPA WASTE CODE TRAILER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	EPA Waste Code Subsection Trailer	A/N	16	16	A constant of "end_dtidepa_sect"
M	End of Record				

	Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID STATE WASTE CODE HEADER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	State Waste Code Subsection Header	A/N	16	16	A constant of "beg_dtidsta_sect"
M	End of Record				
	Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID STATE WASTE CODE RECORD:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	Document Number	A/N	15	14	Disposal Turn In Document Number
M	DTID State Waste Codes	A/N	10	4	State waste code for DTID
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID STATE WASTE CODE TRAILER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	State Waste Code Subsection Trailer	A/N	16	16	A constant of "end_dtidsta_sect"
M	End of Record Indicator				

THE FOLLOWING IS THE FORMAT FOR A DTID SECTION TRAILER:

M/O	Field Name	A, N or A/N	Field Length	Min Field Length	Example, Format or Style
M	DTID Section Trailer	A/N	13	13	A constant of "end_dtid_sect"
M	End of Record Indicator				